

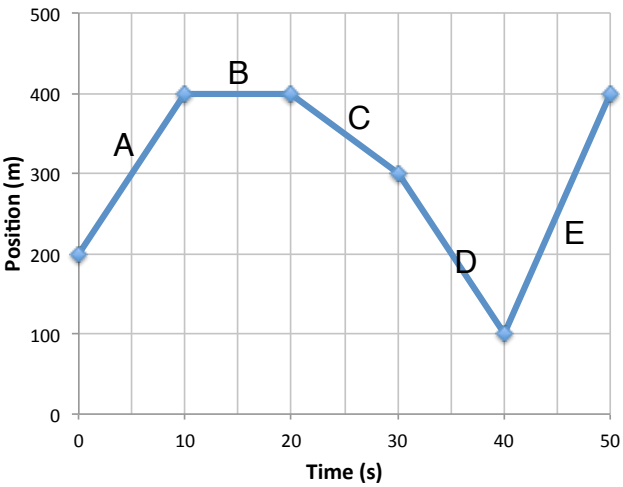
Newton’s 1st Law & Resulting Motion WS 6

Use the position vs. time graph of a dog walking down a street to answer the following questions.

1. What is the speed of the dog for each 10 second time interval?

A: _____ D: _____
B: _____ E: _____
C: _____

2. Determine the average speed of the dog by finding the average of the five interval speeds found in question 1.

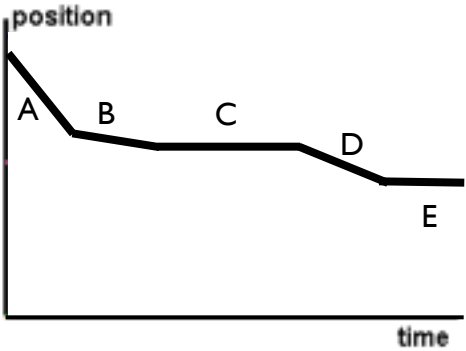
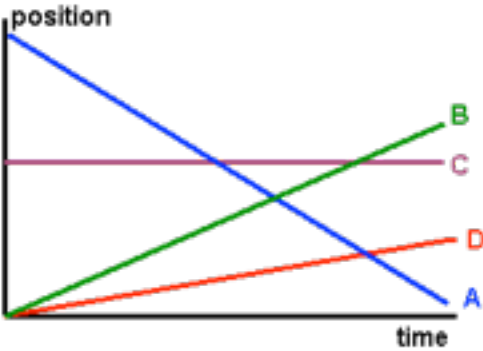


3. What is the total distance traveled by the dog? Show all work.

4. What is the average speed of the dog? Determine speed by using distance dog walked. Show all work

GIVEN VARIABLES	EQUATION	WORK / PICTURE	ANSWER

5. For each graph, determine which motion indicates the person that is moving the fastest by circling the letter, and indicate the person that is moving the slowest by boxing the letter.

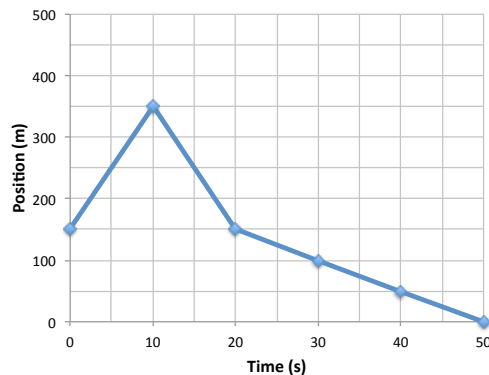


6. For each graph pictured on the back page,
a. find the SPEED of each 10 second interval
b. determine the average speed by averaging interval speeds
c. determine total distance traveled
d. determine average speed by distance traveled.

PHYSICAL SCIENCE

Name: _____

DSHS
Mrs. Ellis



0-10s: _____

10-20s: _____

20-30s: _____

30-40s: _____

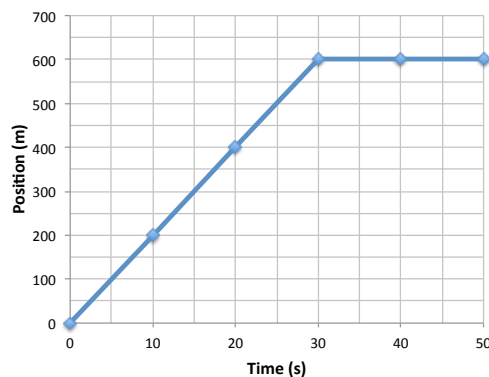
40-50s: _____

Avg: _____

Distance: _____

Avg Speed: _____

GIVEN VARIABLES	EQUATION	WORK / PICTURE	ANSWER



0-10s: _____

10-20s: _____

20-30s: _____

30-40s: _____

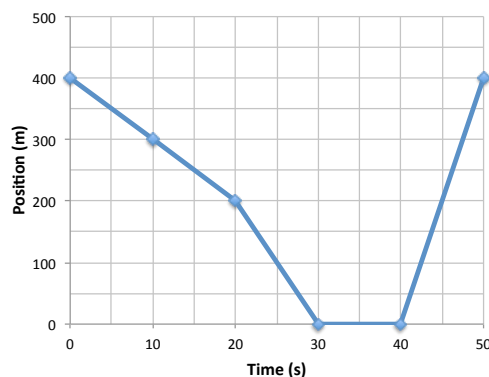
40-50s: _____

Avg: _____

Distance: _____

Avg Speed: _____

GIVEN VARIABLES	EQUATION	WORK / PICTURE	ANSWER



0-10s: _____

10-20s: _____

20-30s: _____

30-40s: _____

40-50s: _____

Avg: _____

Distance: _____

Avg Speed: _____

GIVEN VARIABLES	EQUATION	WORK / PICTURE	ANSWER